

AMENDMENTS TO THE CLAIMS

Claims 1-3 (canceled)

4. (currently amended) An isolated CD8-tropic gp20 polypeptide of claim 1 that is the 92UG046-T8 polypeptide set out in comprising the amino acid sequence of SEQ ID NO: 10 or a fragment of the amino acid sequence of SEQ ID NO: 10 wherein the fragment binds to a CD8 protein.

Claims 5-25 (canceled).

26. (withdrawn/currently amended) A method for eliciting an immune response to a CD8-tropic HIV-1 in an individual, said method comprising administering to the individual an immunogenic dose of a composition comprising one or more CD8-tropic HIV-1 gp120 polypeptides a polypeptide of any one of claims 1, 4, 57, 58 or 59.

27. (withdrawn/currently amended) A method for eliciting an immune response to a CD8-tropic HIV-1 in an individual, said method comprising administering to the individual an immunogenic dose of a composition comprising cells expressing one or more CD8-tropic HIV-1 gp120 polypeptides a polypeptide of any one of claims 1, 4, 57, 58 or 59.

28. (canceled)

29. (currently amended) An immunogenic composition comprising one or more CD8-tropic HIV-1 a polypeptide of any one of claims 1, 4, 57, 58 or 59.

32. (withdrawn/currently amended) A method for detecting CD8-tropic HIV-1, said method comprising detecting one or more CD8-tropic HIV-1 gp120 polypeptides a polypeptide of any one of claims 1, 4, 57, 58 or 59.

33. (canceled)

34. (withdrawn/currently amended) A method for blocking binding of CD8-tropic HIV-1 to CD8-positive cells in an individual, said method comprising administering ~~one or more polypeptides of claim 1~~ + a polypeptide of any one claims 1, 4, 57, 58 or 59 to the individual.

Claims 35-38 (canceled)

39. (currently amended) A pharmaceutical composition comprising polypeptide of ~~claim 1~~ + any one of claims 1, 4, 57, 58 or 59.

Claims 40-56 (canceled)

57. (new) An isolated HIV-1 gp120 polypeptide comprising an amino acid sequence encoded by a nucleotide sequence that hybridizes to the complement of the nucleotide sequence of SEQ ID NO: 9 under the following hybridization wash conditions: 0.015 M sodium chloride, 0.0015 M sodium citrate at 65-68°C, and wherein the polypeptide binds to a CD8 protein.

58. (new) The polypeptide of claim 57, wherein the polypeptide comprises an amino acid encoded by the nucleotide sequence of SEQ ID NO: 9.

59. (new) An isolated HIV-1 gp120 polypeptide comprising an amino acid sequence of SEQ ID NO: 10 having at least one conservative substitution, wherein the polypeptide binds to CD8 protein.